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[PDF] ▶ **Design issues in mobile-agent programming systems**

NM Karnik, AR Tripathi - IEEE concurrency, 1998 - Citeseer

... This makes the application's task of **tracking its agents** ... mechanisms are needed so that an **agent** can carry ... may be needed for metering of **resource usage**, such as ...

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[PDF] ▶ **Reflective negotiating agents for real-time multisensor target tracking**

LK Soh, C Tsatsoulis - International Joint Conference On Artificial Intelligence, 2001 - itc.ku.edu

... form temporary coalitions to perform a task, with each **agent** in the ... for our system is multisensor tar- get **tracking**, a distributed **resource allocation** and ...

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Sumatra: A language for resource-aware mobile programs- ▶ ktupm.edu.sa [PDF]

A Acharya, M Ranganathan, J Saltz - Lecture Notes in Computer Science, 1997 - Springer

... **Agent-Tcl** [15], **Telescript** [26] and **Aglets** [20 ... It also allows applications to abort **tracking** if need ... by activating counters that keep track of **resource usage**. ...

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Strong mobility and fine-grained resource control in NOMADS- ▶ soton.ac.uk [PDF]

N Suri, JM Bradshaw, MR Breedy, PT Groth, GA ... - Lecture Notes in Computer Science, 2000 - Springer

... Third, **tracking of resource usage** enables accounting and billing mechanisms that hosts may use to calculate charges for resident **agents**. ...

Cited by 106 - Related articles - BL Direct - All 17 versions

Mobile objects and agents (MOA)- ▶ sagecertification.org [PDF]

DS Milojicic, W LaForge, D Chauhan - usenix.org

... than a technical-decision not to use RMI for ... also in the sandbox, AC, and **agent/place** interfaces ... and sandbox components were shaped to enable **resource tracking**. ...

Cited by 107 - Related articles - BL Direct - All 21 versions

[PDF] ▶ **Information-driven dynamic sensor collaboration for tracking applications**

F Zhao, J Shin, J Reich - IEEE Signal Processing Magazine, 2002 - cs.brown.edu

... 2. **Track quality: Tracking errors**, track length, robustness against sensing gaps. ... 5. **Resource usage: Power/bandwidth consumption**. ...

Cited by 443 - Related articles - View as HTML - BL Direct - All 17 versions

[PDF] ▶ **An overview of the nomads mobile agent system**

N Suri, JM Bradshaw, MR Breedy, PT Groth, GA ... - Proceedings of ECOOP, 2000 - ecs.soton.ac.uk

... Third, **tracking of resource usage** enables accounting and billing mechanisms that hosts may use to calculate charges for resident **agents**. ...

Cited by 70 - Related articles - View as HTML - All 18 versions

[PDF] ▶ **MACRON: an architecture for multi-agent cooperative information gathering**

K Decker, V Lesser, MVN Prasad, T Wagner - ... CIKM-95 Workshop on Intelligent Information Agents, 1995 - dis.cs.umass.edu

... allowing the intelligent assignment and **tracking** of limited ... to some depth), network **resource usage**, and monetary ... the complications of a multi-agent system, any ...

Cited by 79 - Related articles - View as HTML - All 10 versions

D'Agents: Security in a multiple-language, mobile-agent system- ► [dartmouth.edu](#) [PDF]

RS Gray, D Kotz, G Cybenko, D Rus - Lecture Notes in Computer Science, 1998 - Springer

... mech-anisms [9], and debugging and tracking tools [11 ... Now the agent is on the destination machine and can interact with that machine's resources without any ...

Cited by 194 - Related articles - BL Direct - All 22 versions

Implementing soft real-time agent control- ► [ncstrl.org](#) [TXT]

R Vincent, B Horling, V Lesser, T Wagner - ... fifth international conference on Autonomous agents, 2001 - portal.acm.org

... Note that the resource modeler detected the incompatibility ... Suppose next that Negotiate Tracking is taking ... than expected, forcing the agent to dynamically ...

Cited by 35 - Related articles - All 14 versions

Cooperative negotiation for soft real-time distributed resource allocation- ► [psu.edu](#) [PDF]

R Mailier, V Lesser, B Horling - ... international joint conference on Autonomous agents ..., 2003 - portal.acm.org

... That means that in critically constrained tracking environ- ments ... protocol was started was a resource requirement change ... Sensor agents can use one of a number of ...

Cited by 68 - Related articles - All 15 versions

Agents for the masses- ► [nus.edu.sg](#) [PS]

JM Bradshaw, M Greaves, H Holmback, T ... - IEEE Intelligent Systems and their applications, 1999 - ieeeexplore.ieee.org

... Java security and resource management , R- ... , 1. M. Klein and C.&IMas,

"Exception Handling in Agent Sys- tems." tobe phbiikd in Pmc. ...

Cited by 76 - Related articles - BL Direct - All 9 versions

[TXT] ► A multi-agent system for intelligent environment control

V Lesser, M Atighetchi, B Benyo, B Horling, ... - ... Third International Conference on Autonomous Agents, 1999 - historical.ncstrl.org

... Agents coordinate using a resource coordination protocol ... we assumed the existence of supporting technology for: identification and tracking of individuals ...

Cited by 59 - Related articles - Cached - All 10 versions

Reflections on the nature of multi-agent coordination and its implications for an agent ...-

► [umass.edu](#) [PDF]

VR Lesser - Autonomous Agents and Multi-Agent Systems, 1998 - Springer

... and how the state of the resource affects the ... represents this type of environment by tracking a quantitative ... The agent's task structure view may change over ...

Cited by 153 - Related articles - BL Direct - All 18 versions

Principled communication for dynamic multi-robot task allocation- ► [kfupm.edu.sa](#) [PDF]

BP Gerkey, MJ Mataric - Experimental Robotics VII, 2001 - books.google.com

... distributed approximation to a global optimum of resource usage which is ... model- based system relies on each agent's explicitly tracking the actions ...

Cited by 48 - Related articles - BL Direct - All 4 versions

Fault-tolerant execution of mobile agents

LM Silva, V Batista, JG Silva - Dependable Systems and Networks, 2000. DSN 2000. ..., 2000 - ieeeexplore.ieee.org

... The effective tracking of agents plays an important role in a mobile ... In a mobile agent system the detection of failures is much more ... iv) resource control: when ...

Cited by 66 - Related articles - All 5 versions

... to build and evaluate multi-agent systems: The java agent framework and multi-agent system ...

R Vincent, B Horling, V Lesser - ... **agents**, multi-agent systems, and scalable multi-agent ..., 2001 - books.google.com
 ... 115 MASS is also responsible for **tracking the state** and ... **event is created each time an agent uses the ... execution, such as its cost, quality and resource usage.** ...
 Cited by 44 - Related articles - BL Direct - All 3 versions

Sold!: Auction methods for multirobot coordination- ► [stanford.edu](#) [PDF]
 BP Gerkey, MJ Mataric - IEEE Transactions on Robotics and Automation, 2002 - ieeexplore.ieee.org
 ... **The first, object-tracking, requires the ... resources.** ... Each new task was auc- tioned (and subsequently monitored) by an automated tasking **agent** that was executing ...
 Cited by 336 - Related articles - BL Direct - All 16 versions

Mobile agents- ► [kfupm.edu.sa](#) [PDF]
 K Rothermel, M Schwehm - Proceedings of the 1st International Workshop, 1997 - eprints.kfupm.edu.sa
 ... in classes for creating, transmitting and manipulat- ing agent processes. ... Telescript provides an infrastructure for **tracking and charging resource usage.** ...
 Cited by 94 - Related articles - View as HTML - All 11 versions

Rapid development and flexible deployment of adaptive wireless sensor network ...- ► [uci.edu](#) [PDF]
 CL Fok, GC Roman, C Lu - International Conference on Distributed Computing ..., 2005 - doi.ieeeecomputersociety.org
 ... **Once the fire has died, the tracking agents also die leaving only small fire detection agents that periodically ... The minuscule resource consumed by these agents ...**
 Cited by 152 - Related articles - BL Direct - All 18 versions

[PDF] ► **NOMADS: Toward an environment for strong and safe agent mobility**
 N Suri, JM Bradshaw, MR Breedy, PT Groth, GA ... - Proceedings of Autonomous Agents, 2000 - Citeseer
 ... **Third, tracking of resource usage enables accounting and billing mechanisms that hosts may use to calculate charges for resident agents.** ...
 Cited by 30 - Related articles - View as HTML - All 3 versions

Improving the scalability of multi-agent systems
 PJ Turner, NR Jennings - ... **agents**, multi-agent systems, and scalable multi-agent ..., 2001 - books.google.com
 ... In this case we use a measure of the ... it does not sell,'supplier model low coverage'(agent has to ... and incurs a high amount of **resources tracking** requests and ...
 Cited by 62 - Related articles - BL Direct - All 9 versions

Decentralized, adaptive resource allocation for sensor networks- ► [usenix.org](#)
 G Mainland, DC Parkes, M Welsh - usenix.org
 ... **Given the complexities of agent operations and unknown ... the use of Self-Organizing Resource Allocation in ... implemented the SORA-based vehicle tracking system in ...**
 Cited by 61 - Related articles - Cached - All 14 versions

Distributed embedded smart cameras for surveillance applications- ► [lugrazat](#) [PDF]
 M Bramberger, A Doblander, A Maier, B ... - Computer, 2006 - ieeexplore.ieee.org
 ... **We use a master-slave approach for the ... provides the resources for the tracking agent on the ... the master-slave approach increases resource utilization because ...**
 Cited by 77 - Related articles - BL Direct - All 10 versions

State capture and resource control for java: The design and implementation of the aroma ...-
 ► [fihmc.com](#) [PDF]
 N Suri, JM Bradshaw, MR Breedy, KM Ford, PT ... - Java Virtual Machine Research and Technology ..., 2001 - usenix.org
 ... **Tracking of resource use, based on resource control ... state capture and dynamic, fine-grained resource control and ... a research project on mobile agent systems and ...**
 Cited by 22 - Related articles - All 12 versions

Poaching and distraction in asynchronous **agent** activities- ► [umass.edu](#) [PDF]
 MH Chia, DE Neiman, VR Lesser - ... Conference on Multi-**Agent** Systems, Paris, France, 1998 -
[doi.ieeecomputersociety.org](#)
 ... information in the form of tex- ture measures [14], abstract representations of
 an **agent's** resource availability, current **resource usage**, and estimated ...
 Cited by 36 - Related articles - All 9 versions

Agent Tcl: Targeting the needs of mobile computers

D Kotz, R Gray, S Nog, D Rus, S Chawla, G ... - IEEE Internet Computing, 1997 - [ieeexplore.ieee.org](#)
 ... security mechanisms, and debug- ging and tracking tools. ... the memory manager might
 limit an **agent** to 100 ... In addition to absolute limits on **resource use**, we plan ...
 Cited by 190 - Related articles - All 6 versions

Experiences and future challenges in mobile **agent** programming

AR Tripathi, T Ahmed, NM Karnik - Microprocessors and Microsystems, 2001 - Elsevier
 ... like exception handling, activity tracking, statistical data ... available Java-based
 mobile **agent** platforms are ... metering and controlling the **resource usage** levels ...
 Cited by 44 - Related articles - All 4 versions

A secure marketplace for mobile java **agents**

K Neuenhofen, M Thompson - ... second international conference on Autonomous **agents**, 1998 - [portal.acm.org](#)
 ... Lastly, tracking of **resource usage** serves as the foundation of any kind of accounting
 and billing mcchanists that the **agent** system might use to calculate ...
 Cited by 16 - Related articles - All 3 versions

Challenges in the migration to 4G mobile systems- ► [upatras.gr](#) [PDF]

SY Hui, KH Yeung - IEEE Communications Magazine, 2003 - [ieeexplore.ieee.org](#)
 ... Position- ing System (GPS) (for tracking her current ... them use mobile **agents**, but
 some do not [10 ... with respect to speed, accuracy, **resource usage**, and convenience ...
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